



May 11, 2016

Tom Moe USS Corporation P.O. Box 417 Mountain Iron, MN 55768

RE: Project: NPDES-LINE 3 Wk1 Pace Project No.: 1265480

# Dear Tom Moe:

Enclosed are the analytical results for sample(s) received by the laboratory on May 05, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melisa M Woods

Mazzi Wirds

melisa.woods@pacelabs.com

**Project Manager** 

**Enclosures** 

cc: Cory Hertling Terri Sabetti, NTS





Pace Analytical www.pacelabs.com

315 Chestnut Street Virginia, MN 55792 (218) 742-1042

## **CERTIFICATIONS**

Project: NPDES-LINE 3 Wk1

Pace Project No.: 1265480

Virginia Minnesota Certification ID's

315 Chestnut Street, Virginia, MN 55792
Alaska Certification #MN01084
Arizona Department of Health Certification #AZ0785
Minnesota Dept of Health Certification #: 027-137-445

North Dakota Certification: # R-203

Wisconsin DNR Certification #: 998027470 WA Department of Ecology Lab ID# C1007 Nevada DNR #MN010842015-1

Oklahoma Department of Environmental Quality





# **SAMPLE SUMMARY**

Project: NPDES-LINE 3 Wk1

Pace Project No.: 1265480

Lab ID	Sample ID	Matrix	Date Collected	Date Received	
1265480001	WS-003 Thickner Overflow	Water	05/05/16 08:30	05/05/16 13:00	
1265480002	WS-002 Scrubber Make-Up	Water	05/05/16 08:40	05/05/16 13:00	
1265480003	WS-003 Thickner Overflow	Water	05/05/16 08:30	05/05/16 13:00	

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# **SAMPLE ANALYTE COUNT**

Project: NPDES-LINE 3 Wk1

Pace Project No.: 1265480

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
1265480001	WS-003 Thickner Overflow	EPA 300.0	DMB	2	PASI-V
1265480002	WS-002 Scrubber Make-Up	EPA 200.7	MAR	3	PASI-V
		EPA 300.0	DMB	1	PASI-V
1265480003	WS-003 Thickner Overflow	EPA 200.7	MAR	3	PASI-V
		EPA 300.0	DMB	1	PASI-V



# **ANALYTICAL RESULTS**

Project: NPDES-LINE 3 Wk1

Pace Project No.: 1265480

Date: 05/11/2016 02:41 PM

Chloride	Sample: WS-003 Thickner Overflo	w Lab ID:	1265480001	Collected	d: 05/05/1	6 08:30	Received: 05/	/05/16 13:00 Ma	atrix: Water	
Analytical Method: EPA 300.0  Chloride  575 mg/L  10.0 5.0 10  05/07/16 04:51 16887-00-6 Fluoride  19.4 mg/L  1.0 0.50 10  05/07/16 04:51 16887-00-6 Fluoride  Sample: WS-002 Scrubber Make-Up  Lab ID: 1265480002  Collected: 05/05/16 08:40 Received: 05/05/16 13:00 Matrix: Water  Report  Lab ID: 1265480002  Collected: 05/05/16 08:40 Received: 05/05/16 13:00 Matrix: Water  Report  Limit MDL  DF  Prepared Analyzed CAS No. Qual  200.7 MET ICP, Lab Filtered  Analytical Method: EPA 200.7 Preparation Method: EPA 200.7  Calcium, Dissolved  110 mg/L  5.0 0.29 10 05/06/16 11:46 05/09/16 13:34 7440-70-2  Magnesium, Dissolved  1140 mg/L  100 50.0 10 05/06/16 11:46 05/09/16 13:34 7439-95-4  Total Hardness, Dissolved  1140 mg/L  200.0 10.0 10  05/05/16 08:30 Received: 05/05/16 03:00 Matrix: Water  Report  Limit MDL  Report  Limit MDL  Limit MDL  DF  Prepared Analyzed CAS No. Qual  200.7 MET ICP, Lab Filtered  Analytical Method: EPA 200.7  Calcium, Dissolved  Analytical Method: EPA 200.7  Parameters  Results  Units  Units  Limit MDL  DF  Prepared Analyzed CAS No. Qual  200.7 MET ICP, Lab Filtered  Analytical Method: EPA 200.7 Preparation Method: EPA 200.7  Calcium, Dissolved  Analytical Method: EPA 200.7 Preparation Method: EPA 200.7  Calcium, Dissolved  516 mg/L  5.0 0.29 10 05/06/16 11:46 05/09/16 13:37 7440-70-2  Magnesium, Dissolved  278 mg/L  5.0 0.29 10 05/06/16 11:46 05/09/16 13:37 7440-70-2  Magnesium, Dissolved  278 mg/L  5.0 0.67 10 05/06/16 11:46 05/09/16 13:37 7449-95-4  Total Hardness, Dissolved  2440 mg/L  100 50.0 10 05/06/16 11:46 05/09/16 13:37 7439-95-4  Total Hardness, Dissolved  Analytical Method: EPA 300.0				Report						
Chloride	Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: WS-002 Scrubber Make-Up   Lab ID: 1265480002   Collected: 05/05/16 08:40   Received: 05/05/16 13:00   Matrix: Water Report   Limit   MDL   DF   Prepared   Analyzed   CAS No.   Qual	300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0						
Sample: WS-002 Scrubber Make-Up   Lab ID: 1265480002   Collected: 05/05/16 08:40   Received: 05/05/16 13:00   Matrix: Water Report   Parameters   Results   Units   Limit   MDL   DF   Prepared   Analyzed   CAS No.   Qual	Chloride	575	mg/L	10.0	5.0	10		05/07/16 04:51	16887-00-6	
Parameters   Results   Units   Limit   MDL   DF   Prepared   Analyzed   CAS No.   Qual	Fluoride	19.4	mg/L	1.0	0.50	10		05/07/16 04:51	16984-48-8	
Parameters   Results   Units   Limit   MDL   DF   Prepared   Analyzed   CAS No.   Qual	Sample: WS-002 Scrubber Make-U	lp Lab ID:	1265480002	Collected	d: 05/05/1	6 08:40	Received: 05/	/05/16 13:00 Ma	atrix: Water	
200.7 MET ICP, Lab Filtered  Analytical Method: EPA 200.7 Preparation Method: EPA 200.7  Calcium, Dissolved  110 mg/L  5.0 0.29 10 05/06/16 11:46 05/09/16 13:34 7440-70-2  Magnesium, Dissolved  209 mg/L  5.0 0.67 10 05/06/16 11:46 05/09/16 13:34 7439-95-4  Total Hardness, Dissolved  1140 mg/L  100 50.0 10 05/06/16 11:46 05/09/16 13:34  300.0 IC Anions 28 Days  Analytical Method: EPA 300.0  Sulfate  728 mg/L  20.0 10.0 10  05/07/16 05:13 14808-79-8  Sample: WS-003 Thickner Overflow  Lab ID: 1265480003  Collected: 05/05/16 08:30 Received: 05/05/16 13:00 Matrix: Water  Report  Limit  MDL  DF  Prepared  Analyzed  CAS No.  Qual  200.7 MET ICP, Lab Filtered  Analytical Method: EPA 200.7 Preparation Method: EPA 200.7  Calcium, Dissolved  516 mg/L  5.0 0.29 10 05/06/16 11:46 05/09/16 13:37 7440-70-2  Magnesium, Dissolved  278 mg/L  5.0 0.29 10 05/06/16 11:46 05/09/16 13:37 7449-95-4  Total Hardness, Dissolved  2440 mg/L  100 50.0 10 05/06/16 11:46 05/09/16 13:37  Analytical Method: EPA 300.0				Report						
Calcium, Dissolved  110 mg/L 5.0 0.29 10 05/06/16 11:46 05/09/16 13:34 7440-70-2 Magnesium, Dissolved 209 mg/L 5.0 0.67 10 05/06/16 11:46 05/09/16 13:34 7439-95-4 Total Hardness, Dissolved 1140 mg/L 100 50.0 10 05/06/16 11:46 05/09/16 13:34 7439-95-4  300.0 IC Anions 28 Days  Analytical Method: EPA 300.0  Sulfate 728 mg/L 20.0 10.0 10 05/05/16 08:30 Received: 05/05/16 13:00 Matrix: Water  Report Limit MDL DF Prepared Analyzed CAS No. Qual  200.7 MET ICP, Lab Filtered Analytical Method: EPA 200.7 Preparation Method: EPA 200.7  Calcium, Dissolved 516 mg/L 5.0 0.29 10 05/06/16 11:46 05/09/16 13:37 7440-70-2 Magnesium, Dissolved 278 mg/L 100 50.0 10 05/06/16 11:46 05/09/16 13:37 7439-95-4  Total Hardness, Dissolved Analytical Method: EPA 300.0	Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Magnesium, Dissolved   209   mg/L   5.0   0.67   10   05/06/16 11:46   05/09/16 13:34   7439-95-4   Total Hardness, Dissolved   1140   mg/L   100   50.0   10   05/06/16 11:46   05/09/16 13:34   7439-95-4   300.0   IC Anions 28 Days   Analytical Method: EPA 300.0      Sulfate   728   mg/L   20.0   10.0   10   05/07/16 05:13   14808-79-8	200.7 MET ICP, Lab Filtered	Analytical	Method: EPA	200.7 Prepa	ration Met	hod: EP/	A 200.7			
Total Hardness, Dissolved  1140 mg/L  100 50.0 10 05/06/16 11:46 05/09/16 13:34  300.0 IC Anions 28 Days  Analytical Method: EPA 300.0  Sulfate  728 mg/L  20.0 10.0 10  05/07/16 05:13 14808-79-8  Sample: WS-003 Thickner Overflow  Lab ID: 1265480003  Collected: 05/05/16 08:30 Received: 05/05/16 13:00 Matrix: Water  Report  Limit  MDL  DF  Prepared  Analyzed  CAS No.  Qual  200.7 MET ICP, Lab Filtered  Analytical Method: EPA 200.7 Preparation Method: EPA 200.7  Calcium, Dissolved  516 mg/L  5.0 0.29 10 05/06/16 11:46 05/09/16 13:37 7440-70-2  Magnesium, Dissolved  278 mg/L  5.0 0.67 10 05/06/16 11:46 05/09/16 13:37 7439-95-4  Total Hardness, Dissolved  2440 mg/L  300.0 IC Anions 28 Days  Analytical Method: EPA 300.0	Calcium, Dissolved	110	mg/L	5.0	0.29	10	05/06/16 11:46	05/09/16 13:34	7440-70-2	
Analytical Method: EPA 300.0  Sulfate  728 mg/L  20.0  10.0  10  05/07/16 05:13  14808-79-8  Sample: WS-003 Thickner Overflow  Lab ID: 1265480003  Collected: 05/05/16 08:30  Received: 05/05/16 13:00  Matrix: Water  Report  Limit  MDL  DF  Prepared  Analyzed  CAS No.  Qual  200.7 MET ICP, Lab Filtered  Analytical Method: EPA 200.7  Preparation Method: EPA 200.7  Calcium, Dissolved  516 mg/L  5.0  0.29  0.5/06/16 11:46  05/09/16 13:37  7440-70-2  Magnesium, Dissolved  278 mg/L  5.0  0.67  10  05/06/16 11:46  05/09/16 13:37  7439-95-4  Total Hardness, Dissolved  Analytical Method: EPA 300.0	Magnesium, Dissolved	209	mg/L	5.0	0.67	10	05/06/16 11:46	05/09/16 13:34	7439-95-4	
Sulfate 728 mg/L 20.0 10.0 10 05/07/16 05:13 14808-79-8  Sample: WS-003 Thickner Overflow Lab ID: 1265480003 Collected: 05/05/16 08:30 Received: 05/05/16 13:00 Matrix: Water Report Limit MDL DF Prepared Analyzed CAS No. Qual 200.7 MET ICP, Lab Filtered Analytical Method: EPA 200.7 Preparation Method: EPA 200.7  Calcium, Dissolved 516 mg/L 5.0 0.29 10 05/06/16 11:46 05/09/16 13:37 7440-70-2 Magnesium, Dissolved 278 mg/L 5.0 0.67 10 05/06/16 11:46 05/09/16 13:37 7439-95-4 Total Hardness, Dissolved 2440 mg/L 100 50.0 10 05/06/16 11:46 05/09/16 13:37 300.0 IC Anions 28 Days Analytical Method: EPA 300.0	Total Hardness, Dissolved	1140	mg/L	100	50.0	10	05/06/16 11:46	05/09/16 13:34		
Sample: WS-003 Thickner Overflow         Lab ID:         1265480003         Collected:         05/05/16 08:30         Received:         05/05/16 13:00         Matrix:         Water           Report           Parameters         Results         Units         Limit         MDL         DF         Prepared         Analyzed         CAS No.         Qual           200.7 MET ICP, Lab Filtered         Analytical Method: EPA 200.7 Preparation Method: EPA 200.7           Calcium, Dissolved         516         mg/L         5.0         0.29         10         05/06/16 11:46         05/09/16 13:37         7440-70-2           Magnesium, Dissolved         278         mg/L         5.0         0.67         10         05/06/16 11:46         05/09/16 13:37         7439-95-4           Total Hardness, Dissolved         2440         mg/L         100         50.0         10         05/06/16 11:46         05/09/16 13:37           300.0 IC Anions 28 Days         Analytical Method: EPA 300.0	300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0						
Parameters         Results         Units         Report Limit         MDL         DF         Prepared         Analyzed         CAS No.         Qual           200.7 MET ICP, Lab Filtered         Analytical Method: EPA 200.7         Preparation Method: EPA 200.7           Calcium, Dissolved         516 mg/L         5.0         0.29 10 05/06/16 11:46 05/09/16 13:37 7440-70-2           Magnesium, Dissolved         278 mg/L         5.0 0.67 10 05/06/16 11:46 05/09/16 13:37 7439-95-4           Total Hardness, Dissolved         2440 mg/L         100 50.0 10 05/06/16 11:46 05/09/16 13:37           300.0 IC Anions 28 Days         Analytical Method: EPA 300.0	Sulfate	728	mg/L	20.0	10.0	10		05/07/16 05:13	14808-79-8	
Parameters         Results         Units         Limit         MDL         DF         Prepared         Analyzed         CAS No.         Qual           200.7 MET ICP, Lab Filtered         Analytical Method: EPA 200.7 Preparation Method: EPA 200.7           Calcium, Dissolved         516 mg/L         5.0         0.29 10 05/06/16 11:46 05/09/16 13:37 7440-70-2           Magnesium, Dissolved         278 mg/L         5.0 0.67 10 05/06/16 11:46 05/09/16 13:37 7439-95-4           Total Hardness, Dissolved         2440 mg/L         100 50.0 10 05/06/16 11:46 05/09/16 13:37           300.0 IC Anions 28 Days         Analytical Method: EPA 300.0	Sample: WS-003 Thickner Overflo	w Lab ID:	1265480003	Collected	d: 05/05/1	6 08:30	Received: 05/	/05/16 13:00 Ma	atrix: Water	
Calcium, Dissolved 516 mg/L 5.0 0.29 10 05/06/16 11:46 05/09/16 13:37 7440-70-2 Magnesium, Dissolved 278 mg/L 5.0 0.67 10 05/06/16 11:46 05/09/16 13:37 7439-95-4 Total Hardness, Dissolved 2440 mg/L 100 50.0 10 05/06/16 11:46 05/09/16 13:37 37439-95-4 300.0 IC Anions 28 Days Analytical Method: EPA 300.0	Parameters	Results	Units	•	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Magnesium, Dissolved       278 mg/L       5.0       0.67 10       05/06/16 11:46       05/09/16 13:37       7439-95-4         Total Hardness, Dissolved       2440 mg/L       100       50.0       10       05/06/16 11:46       05/09/16 13:37         300.0 IC Anions 28 Days       Analytical Method: EPA 300.0	200.7 MET ICP, Lab Filtered	Analytical	Method: EPA	 200.7 Prepa	ration Metl	hod: EP	A 200.7			
Magnesium, Dissolved       278 mg/L       5.0       0.67 10       05/06/16 11:46       05/09/16 13:37       7439-95-4         Total Hardness, Dissolved       2440 mg/L       100       50.0       10       05/06/16 11:46       05/09/16 13:37         300.0 IC Anions 28 Days       Analytical Method: EPA 300.0	Calcium, Dissolved	516	mg/L	5.0	0.29	10	05/06/16 11:46	05/09/16 13:37	7440-70-2	
Total Hardness, Dissolved <b>2440</b> mg/L 100 50.0 10 05/06/16 11:46 05/09/16 13:37 <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0	Magnesium, Dissolved	278	-	5.0		10	05/06/16 11:46	05/09/16 13:37	7439-95-4	
•	Total Hardness, Dissolved	2440	mg/L	100	50.0	10	05/06/16 11:46	05/09/16 13:37		
Sulfate <b>1840</b> mg/L 40.0 20.0 20 05/07/16 05:35 14808-79-8	300.0 IC Anions 28 Days	Analytical	Method: EPA	300.0						
	Sulfate	1840	mg/L	40.0	20.0	20		05/07/16 05:35	14808-79-8	

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#### **QUALITY CONTROL DATA**

Project: NPDES-LINE 3 Wk1

Pace Project No.: 1265480

Magnesium, Dissolved

Date: 05/11/2016 02:41 PM

QC Batch: MPRP/6853 Analysis Method: EPA 200.7

mg/L

QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET Dissolved

Associated Lab Samples: 1265480002, 1265480003

METHOD BLANK: 314146 Matrix: Water

Associated Lab Samples: 1265480002, 1265480003

Reporting Blank Parameter Limit MDL Result Qualifiers Units Analyzed Calcium, Dissolved ND 0.50 0.029 05/09/16 12:13 mg/L Magnesium, Dissolved mg/L ND 0.50 0.067 05/09/16 12:13

LABORATORY CONTROL SAMPLE: 314147 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Calcium, Dissolved 50 51.5 103 85-115 mg/L

50

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 314148 314149 MSD MS 1265217001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Calcium, Dissolved mg/L 86.1 50 50 140 139 107 105 70-130 20 Magnesium, Dissolved mg/L 261 50 50 313 311 103 100 70-130 20

50.9

102

85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 314150 314151 MS MSD 1265453002 MS MSD MS Spike Spike MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Calcium, Dissolved 50 2 37.1 50 87.5 88.9 101 104 70-130 20 mg/L 286 50 Magnesium, Dissolved 50 332 335 93 98 70-130 20 mg/L 1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



#### **QUALITY CONTROL DATA**

Project: NPDES-LINE 3 Wk1

Pace Project No.: 1265480

Date: 05/11/2016 02:41 PM

QC Batch: WETA/16671 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions

Associated Lab Samples: 1265480001, 1265480002, 1265480003

METHOD BLANK: 314338 Matrix: Water

Associated Lab Samples: 1265480001, 1265480002, 1265480003

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.50	05/06/16 21:31	<del>-</del>
Fluoride	mg/L	ND	0.10	0.050	05/06/16 21:31	
Sulfate	mg/L	ND	2.0	1.0	05/06/16 21:31	

LABORATORY CONTROL SAMPLE:	314339					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	
Fluoride	mg/L	5	4.7	94	90-110	
Sulfate	mg/L	50	47.9	96	90-110	

MATRIX SPIKE & MATRIX SPI	KE DUPLIC	CATE: 31434	0		314341							
			MS	MSD								
		1265560001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	14.4	250	250	278	278	105	105	90-110	0	20	
Fluoride	mg/L	ND	25	25	24.6	24.6	97	97	90-110	0	20	
Sulfate	mg/L	22.5	250	250	283	283	104	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIK	E DUPLIC	CATE: 31434	2		314343							
			MS	MSD								
		1265432001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Chloride	mg/L	21.0	50	50	74.0	74.0	106	106	90-110	0	20	
Fluoride	mg/L	0.41	5	5	5.4	5.4	100	100	90-110	0	20	
Sulfate	mg/L	24.0	50	50	77.3	77.3	107	107	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



#### **QUALIFIERS**

Project: NPDES-LINE 3 Wk1

Pace Project No.: 1265480

#### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

**RPD - Relative Percent Difference** 

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

#### **LABORATORIES**

Date: 05/11/2016 02:41 PM

PASI-V Pace Analytical Services - Virginia

(218) 742-1042



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: NPDES-LINE 3 Wk1

Pace Project No.: 1265480

Date: 05/11/2016 02:41 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1265480002	WS-002 Scrubber Make-Up	EPA 200.7	MPRP/6853	EPA 200.7	ICP/5157
1265480003	WS-003 Thickner Overflow	EPA 200.7	MPRP/6853	EPA 200.7	ICP/5157
1265480001	WS-003 Thickner Overflow	EPA 300.0	WETA/16671		
1265480002	WS-002 Scrubber Make-Up	EPA 300.0	WETA/16671		
1265480003	WS-003 Thickner Overflow	EPA 300.0	WETA/16671		

# **CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. section c MO#: 1265480

		_												ITEM #		Reques	Phone:	Email:	Mounta	Company:	Section A Required (
											WS-003 Thickener Overflow	WS-002 Scrubber Make-Up	WS-003 Thickener Overflow	SAMPLE ID  One Character per box. (A-Z, 0-9 /, -)  Sample lds must be unique		Requested Due Date:	(218)749-7485 Fax:		<u></u>	ny: USS Corporation	율
		 <u></u>	-											MATRIX CODE Dininking Water DW Water Water Water Works Water WW Product Oil Soi/Soild OIL Wipe Ar Other OT Tissue ODE ODE OT Tissue ODE ODE OT		Project #:	Project Name:	Purchase Order #:		Copy To:	13
			$\mathscr{N}_{a}$								TW	WT	WT	MATRIX CODE (see valid codes to SAMPLE TYPE (G=GRAB C=CC	_	l	  स			Tom Moe	ct Info
			Paulnaine								5576 pk	80 72.5-5	80.4 Sin	START			NPDES-LINE 3 Wk1			e	rmation:
SAMELER LAND SCHALLINE PRINT Name of SAMPLER: SIGNATURE of SAMPLER:			<i>کا</i>			:					55760813-557608130	04,80 91.3.5 Ch.180	130 12 5 5 18 130 18 30 18 30		COLECTED		2				
AND SIGNAT of SAMPLER of SAMPLER			5-576					•		,	08:30	08'40	®:3°	TIME SAMPLE TEMP AT COLLECTION							
														# OF CONTAINERS		Pace	Pag	Pace	Ąd	S A	Sect
Bu			13:00				 							Unpreserved H2\$O4 HNO3		Pace Profile #:	Pace Project Manage	Pace Quote:	Address:	Company Name:	Section C Invoice Information
Bulman														HCI	Preservativ		nage				tion
			$\  \ $									ļ		Na2S2O3	atives		i		CLIENT: USS	P 3	Ę
46				co enes ev										Methanol			ŀ		Y	1: MM	9#
			ļ	BELLEVILLE TO THE										Other  Antivectives	Swiini a	5. 90			 ∵	~	••
				te planting t							×	×		LAB FILTERED: SO4		National Property of			Š		1265480
DATE Signed:											×	×	×	Lab FILTERED: Ca,Mg,Hardi CI,F					CORP	_	<u>o</u>
igned														, oi,i		ALMS BY	:		Ī	Due	Ñ
	_	 	ļ			 	 				·									Date:	8
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77-5			116				 										١			<b>05/19/16</b>	
			130									<u> </u>				Section 48	İ			19/	
			0									<del>                                     </del>	-							16	
TEMP in C			₹.															Character	4.00		<u>.</u>
Received on		 	7		<del> </del>	I	 	Ι	I		5	Ī	1	Residual Chlorine (Y/N)							ļ"
ce (Y/N) Custody Sealed			9	AMPLE COND							LAB FILTEREO,LAB FILTERED	LAB FILTERED, LAB FILTERED						in lating and a second			_
Cooler (Y/N) Samples		 	ح	mola :							LAB FILTER	LAB FILTER						A STANSANTON OF THE STANSANTON			₽
ntact (Y/N)			2								B	E.				SOUTH CORES		THE REAL PROPERTY.			

# Face Analytical\*

# Document Name: Sample Condition Upon Receipt Form

Document No.: F-VM-C-001-Rev.09 Document Revised: 23Feb2015

Page 1 of 1 Issuing Authority:

Pace Virginia, Minnesota Quality Office

Sample Condition Client Name: Upon Receipt			Project #	
Courier: Fed Ex UPS  Commercial Pace  Tracking Number:	USPS Other:	-	lient	126548Ø
Custody Seal on Cooler/Box Present? Yes	lo	Seals Ir	ntact? [	Yes No Optional: Proj. Due Date: Proj. Name:
Packing Material: Bubble Wrap Bubble Bag	s 🔲 No	one [	dOther:_ <b>↓</b>	Temp Blank?  Yes  No
Thermometer Used: 140792808	Type of I		_	Blue None Samples on ice, cooling process has begun
Cooler Temp Read °C: (, \( \) Cooler Temp Co Temp should be above freezing to 6°C Correction Factor	rrected °(	: <u>(,</u>	חַ	Biological Tissue Frozen? Yes No NA Initials of Person Examining Contents: 5/5/14
Chain of Custody Present?	Yes	□No	□N/A	1.
Chain of Custody Filled Out?	Yes	□No	□N/A	2.
Chain of Custody Relinquished?	Yes	□No	□N/A	3.
Sampler Name and Signature on COC?	Yes	□No	□N/A	4.
Samples Arrived within Hold Time?	Yes	□No	□N/A	S.
Short Hold Time Analysis (<72 hr)?	Yes	₽No	□N/A	6.
Rush Turn Around Time Requested?	□Yes	<b>№</b> No	□N/A	7.
Sufficient Volume?	<b>[</b> ₹]Yes	□No	□N/A	8.
Correct Containers Used?	Yes	□No	□n/a	9.
-Pace Containers Used?	Yes	□No	□N/A	
Containers Intact?	Yes	□No	□N/A	10.
Filtered Volume Received for Dissolved Tests?	₩Yes	□No		711. Note if sediment is visible in the dissolved containers.
Sample Labels Match COC?	<b>⊠</b> Yes	[]No	□N/A	12.
-Includes Date/Time/ID/Analysis Matrix:	,	<u> </u>		
All containers needing acid/base preservation will be checked and documented in the pH logbook.	Yes	□No	<b>₩</b> N/A	See pH log for results and additional preservation documentation
Headspace in Methyl Mercury Container	□Yes	□No	<b>⊠</b> N/A	13.
Headspace in VOA Vials ( >6mm)?	□Yes	□No	<b>M</b> N/A	14.
Trip Blank Present?	∐Yes	□No	<b>\ \ \ \ \ \ \ \ \ \</b>	15.
Trip Blank Custody Seals Present?	☐Yes	□No	<b>₩</b> N/A	
Pace Trip Blank Lot # (if purchased):				
CLIENT NOTIFICATION/RESOLUTION				Field Data Required? Yes No
Person Contacted:				Date/Time:
Comments/Resolution:				

FECAL WAIVER ON FILE Y

TEMPERATURE WAIVER ON FILE

Project Manager Review:

Project Manager Review: Date: Date: Date: Date: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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